



Maricopa County

Air Quality Department

AIR QUALITY DEPARTMENT
1001 North Central Avenue
Phoenix, AZ 85004

PayPal Inc
Attn: Dana Ramsey, Global EHS Manager
2211 N First Street
San Jose, CA 95131

The purpose of the letter is to inform you that the application for a permit renewal has been approved and will be incorporated into Air Quality Permit 050123. The applicable Permit Conditions are enclosed with this letter.

If you need assistance with the permit, please contact the Small Business Assistance Coordinator office at 602.506.5102 or contact the undersigned at 602.506.7248. Email communications may be sent to AQPermits@mail.maricopa.gov.

MARICOPA COUNTY AIR QUALITY DEPARTMENT

Engineering and Permitting Division

1001 N. Central Avenue, Suite 400, Phoenix, Arizona 85004

Phone: (602) 506-6010

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AIR QUALITY PERMIT TO OPERATE AND/OR CONSTRUCT

(As required by Title 49, Chapter 3, Article 2, Section 49-480, Arizona Revised Statutes)

ISSUED TO

**PayPal Inc
4010 North 3rd Street
Phoenix, AZ 85012**

This air quality permit to operate and/or construct does not relieve the applicant of the responsibility of meeting all air pollution regulations.

THE PERMITTEE IS SUBJECT TO THE SPECIFIC AND GENERAL CONDITIONS IDENTIFIED IN THIS PERMIT.

PERMIT NUMBER: 050123

REVISION DATE: 06/08/2016

REVISION NUMBER: 2.0.0.0

EXPIRATION DATE: 01/31/2021

Todd Martin, Non-Title V Permit Supervisor

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Any cited regulatory paragraphs or section numbers refer to the version of the rules and regulations that were in effect on the first date of public notice of the applicable Permit Condition unless specified otherwise. However, in the event the rules and regulations are amended during the term of this Permit, the amended rules and regulations shall apply to this Permit. Whenever the term, Control Officer, is used in this Permit it shall be interpreted to mean, Control Officer or designated representative. Where the term "Rule" appears, it shall be construed to mean "Maricopa County Air Pollution Control Regulations" unless otherwise noted.

SPECIFIC CONDITIONS

Emergency Engines

1. Definitions: For the purposes of this permit the following definitions apply.

- a. Phase 1 Generators – Four 2,876 HP Gensets
Diesel, 1970 Caterpillar Model 3516BDITA, Facility ID 1A, 2A, 1B and 2B
- b. Phase 2 Generators – Two 3,285 HP Gensets
Diesel, 2006 Caterpillar Model 3516BDITA, Facility ID 3A and 3B
- c. Phase 3 & 4 Generators – Four 3,285 Gensets
Diesel, 2007 Caterpillar Model 3516BDITA, Facility ID 4A, 5A, 4B and 5B
- d. Phase 5 Generators – Three 4,423 HP Gensets
Diesel, 2011 Caterpillar Model C175-16, Facility ID 2-1, 2-2, and 2-3
- e. Phase 5 Generators – One 4,423 HP Genset
Diesel, 2012 Caterpillar Model C175-16, Facility ID 2-4
- f. Phase 6 Generators – Two 4,423 HP Gensets
Diesel, 2013 Caterpillar Model Facility ID NEY
- g. Phase 7 Generators – Two 4,423 HP Gensets
Diesel, 2014 Caterpillar Model C175-16, Facility ID 2A and 2B
- h. Phase 8 Generator – One 1005 HP Genset
Diesel, 2015 Caterpillar Model C18, Facility ID Epsilon Project

2. New Source Performance Standards for Phase 1 Generator Engines:

If the Permittee modifies or reconstructs a stationary compression ignition internal combustion engine after July 11, 2005, that engine shall comply with all applicable requirements of 40 CFR 60 Subpart IIII.

[40 CFR 60.4200(a)(3)]

3. NSPS Subpart IIII Emissions Standards for Phase 2, 3, and 4 Generator Engines

Phase 2 thru 4 emergency engines shall comply with the following emission standards in Table 1 of 40 CFR Part 60, Subpart IIII:

	Emission standards for stationary pre-2007 model year engines with a displacement of <10 liters per cylinder and 2007-2010 model year engines >2,237 KW (3,000 HP) and with a displacement of <10 liters per cylinder in g/KW-hr (g/HP-hr)			
Maximum Engine Power	HC	NO _x	CO	PM
KW>560 (HP>750)	1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)

[40 CFR 60.4205(a)]

4. NSPS Subpart IIII Emissions Standards for Phase 5, 6, 7 and 8 Generator Engines

Phase 5, 6, 7 & 8 Emergency engines shall be certified to meet EPA Tier 2 emission standards.

[40 CFR 60.4205(b)][40 CFR 89.112]

5. Operational Limitations:

- a. The Permittee shall limit the operation of emergency engines as follows:

- i. Phase 1, 2, 3, and 4 emergency engines to no more than 95 hours each per any twelve consecutive months and
- ii. Phase 5, 6, and 7 emergency engines to no more than 100 hours each per calendar year for the purposes of maintenance checks and readiness testing and to no more than a total of 2,304 hours for all Phase 5, 6, and 7 emergency engines per any twelve consecutive months including the 100 hours for maintenance and readiness for each emergency engine. The availability of 2,304 hours per any twelve consecutive months period notwithstanding, each emergency engine shall be limited to 500 total hours per any twelve consecutive month period. The daily trigger of Best Available Control Technology (BACT) has been exempted for the emergency engines, and
- iii. Phase 8 emergency engine to no more than 100 hours per any twelve consecutive months.

[Rule 324 §§104.5, 205][40 CFR §§60.4211(e)][Rule 220 §302.2]

- b. The Permittee shall not increase the allowable number of hours of operation of the Phase 1 thru 4 generators without applying Best Available Control Technology (BACT) to all engines. The daily trigger of BACT has been exempted for the emergency generators.

[Rule 220 §302.2; Rule 324 §104.5]

- c. The emergency generators shall not be used for peak shaving. The emergency generators shall only be used for the following purposes:

- i. For power when normal power service fails from the serving utility or if onsite electrical transmission or onsite power generation equipment fails;
- ii. Reliability-related activities such as engine readiness, calibration, or maintenance or to prevent the occurrence of an unsafe condition during electrical system maintenance as evidenced by an installed non-resettable hour meter;

[Rule 324 §104; Rule 220 §302.2]

- d. The Permittee may not use any fuel that contains more than 0.05% sulfur by weight, alone or in combination with other fuels for Phase 1 emergency engines as defined above.

[Rule 324 §301.1]

- e. The Permittee shall only use diesel fuel that has a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent; and has a maximum sulfur content of 15 parts per million (ppm) in the Phase 2, 3, 4, 5, 6, 7 and 8 engines as defined above, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted:

[40 CFR §§60.4207(a,b), 80.510(a,b)]

6. Additional Operational Limitations for Phase 2, 3, 4, 5, 6, 7 and 8 Generator Engines:

- a. The Permittee shall operate and maintain the engines according to the manufacturer's written instructions, or procedures developed by the Permittee that are approved by the engine manufacturer, over the entire life of the engines.

[40 CFR 60.4211(a)][40 CFR 60.4206]

- b. The Permittee shall only change those engine settings that are permitted by the manufacturer.

[40 CFR 60.4211(a)]

7. Low Sulfur Oil Verification:

If the Control Officer requests proof of the sulfur content of fuel burned in the engines, the Permittee shall submit fuel receipts, contract specifications, pipeline meter tickets, Material Safety Data Sheets (MSDS), fuel supplier information or purchase records, if applicable, from the fuel supplier, indicating the sulfur content of the fuel oil. In lieu of these, testing of the fuel oil for sulfur content to meet the applicable sulfur limit shall be permitted if so desired by the owner or operator for evidence of compliance.

[Rule 220 §302.13, Rule 324 §501.4]

8. Monitoring:

The Permittee shall install a non-resettable hour meter prior to startup of the engine(s). The Permittee shall

not operate the engine(s) unless the cumulative run time meter is installed and working properly.

[Rule 220 §302.4] [40 CFR §§60.4209]

9. Opacity:

- a. The Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of 20% opacity, except as specified in Permit Condition 10.
- b. Compliance with visible emissions shall be determined using the techniques specified in EPA Reference Method 9, 40 CFR Part 60, Appendix A.

[SIP Rule 324 §§303, 503.8]

10. NSPS Subpart IIII Requirements:

The following engines shall be certified by the manufacturer to meet the specified EPA emission standard and shall comply with all requirements of this Permit Condition:

- a. The following engines shall comply with the specified EPA emission standard and all requirements of this Permit Condition:

Phase 2, 3 and 4 engines as defined above, Pre 2011, Tier 1, and

Phase 5, 6, 7 and 8 engines as defined above, 2011+, Tier 2.

[40 CFR §60.4205]

- b. Compliance Demonstration:

- i. Pre-2007 model year engines (Phase 2 engines as defined above): The Permittee shall demonstrate compliance with the emission standards by one of the following:

- 1) Purchasing an engine certified to the applicable emission standards for the same maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.
- 2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in 40 CFR §60.4212 and these methods must have been followed correctly.
- 3) Keeping records of data from the engine manufacturer or control device vendor indicating compliance with the standards.
- 4) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR §60.4212, as applicable.

- ii. 2007 model year and later engines (Phase 2, 3, 4, 5, 6, 7 and 8 engines as defined above): Engines shall be certified by the manufacturer to meet the standards specified in Subsection a. of this Permit Condition.

[40 CFR §60.4211]

- c. Additional Opacity Standard:

For 2007 model year and later CI ICE rated 3,000 HP or less and 2011 model year and later CI ICE rated greater than 3,000 HP, the Permittee shall not allow exhaust opacity to exceed 15% during the lugging mode. This restriction does not apply to fire pump engines.

[40 CFR §§60.4205, 89.113(a)(2)]

- d. Crankcase Emissions:

For the engines specified in Subsection c of this Permit Condition, the Permittee shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision does not apply to engines using turbochargers, pumps, blowers, or superchargers for air induction or fire pump engines.

[40 CFR §§60.4205, 89.112(e)]

- e. The Permittee shall operate and maintain each engine according to the manufacturer's written instructions, or procedures developed by the Permittee that are approved by the engine manufacturer, over the entire life of the engine.

[40 CFR §§60.4211(a), 60.4206]

- f. The Permittee shall only change those engine settings that are permitted by the manufacturer.

[40 CFR §60.4211(a)]

- g. The Permittee shall meet the requirements of 40 CFR Part 89 as it applies.

[40 CFR §60.4211(a)]

11. Emergency Provisions:

The Permittee shall comply with all record keeping and reporting requirements of Rule 130 (Emergency Provisions) if the annual allowable hours of operation are exceeded.

[Rule 130]

12. Record Keeping:

- a. The Permittee shall maintain the following records for a period of at least five years from the date of the records and make them available to the Control Officer upon request:
 - i. An initial one time entry listing the particular engine combustion type (compression or spark-ignition or rich or lean burn); manufacturer; model designation, rated brake horsepower, serial number and where the engine is located on the site.
 - ii. Monthly rolling twelve month total of hours of operation, including hours of operation for testing, reliability and maintenance.
 - iii. Fuel type and sulfur content of fuel. If the Control Officer requests proof of the sulfur content of fuel burned in the engines, the Permittee shall submit fuel receipts, contract specifications, pipeline meter tickets, Material Safety Data Sheets (MSDS), fuel supplier information or purchase records, if applicable, from the fuel supplier, indicating the sulfur content of the fuel oil. In lieu of these, testing of the fuel oil for sulfur content to meet the applicable sulfur limit shall be permitted as evidence of compliance.
 - iv. An explanation for the use of the engine if it is used as an emergency engine.
- b. The Permittee shall maintain a copy of manufacturer data for each engine listed in Permit Conditions 10 indicating compliance with the standards in this Permit.
- c. For each engine listed in Permit Condition 10, the Permittee shall maintain an onsite copy of the manufacturer's written instructions, or procedures developed by the Permittee in accordance with these Permit Conditions and make it available to MCAQD upon request.

Rule 220 §302.7][40 CFR §§60.4211(b)(3)]

GENERAL CONDITIONS

13. Posting of Permit:

This Permit shall be posted in a clearly visible and accessible location on the site where the equipment is installed.

[Rule 200 §312]

14. Compliance:

- a. The issuance of any Permit or Permit revision shall not relieve the Permittee from compliance with any Federal laws, Arizona laws, or the County or SIP Rules, nor does any other law, regulation or permit relieve the Permittee from obtaining a Permit or Permit revision required under the County Rules.

[Rule 200 §§309, 310.3][Rule 220 §406.3][Locally Enforceable Only]
- b. The Permittee shall comply with all conditions of this Permit including all applicable requirements of Federal laws, Arizona laws, and Maricopa County Air Pollution Control Rules and Regulations now in effect and as amended in the future. Any Permit noncompliance is grounds for enforcement action,

Permit termination or revocation, or for denial of a renewal application. In addition, non-compliance with any federally enforceable requirements constitutes a violation of the Clean Air Act.

[Rule 200 §310.4][Rule 220 §302.24][A.A.C. R18-2-306.A.8.a][Locally Enforceable Only]

- c. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with these Permit Conditions.

[Rule 220 §302.10][A.A.C. R18-2-306.A.8.b][Locally Enforceable Only]

- d. Rights and Privileges: This Permit does not convey any property rights or exclusive privilege of any sort.

[Rule 220 §302.12][Locally Enforceable Only]

- e. Fees: The Permittee shall pay all fees to the Control Officer in accordance with Rule 280. No permit or permit revision is valid until the applicable permit fee has been received and until the permit is issued by the Control Officer.

[Rule 200 §409][Rule 280 §302][A.R.S. 49-480(D)][SIP Rule 28]

15. Malfunctions, Emergency Upsets, and Excess Emissions:

An affirmative defense of an emergency, excess emission, and/or during startup and shutdown shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence as outlined in Rule 130 for emergencies and Rule 140 for excess emissions.

[Rule 130 §§201, 400][Rule 140 §§400, 500][SIP Rule 140]

16. Revision / Reopening / Revocation:

The Permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

[Rule 220 §302.11][Locally Enforceable Only]

17. Records:

- a. The Permittee shall furnish information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing this permit, or terminating this permit, or to determine compliance with this permit. The information shall be provided in a timeframe specified by the Control Officer. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by this Permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records directly to the Administrator along with a claim of confidentiality.

[Rule 220 §302.13][SIP Rule 40]

- b. If the Permittee fails to submit any relevant facts or has submitted incorrect information in a permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, the Permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application is filed but prior to release of a proposed permit. Willful misrepresentation of facts in a permit application is cause for revocation or denial of a permit.

[Rule 220 §§301.5, 301.6][Locally Enforceable Only]

18. Right to Entry:

- a. The Control Officer during reasonable hours, for the purpose of enforcing and administering County or SIP Rules or the Clean Air Act, or any provision of the Arizona Revised Statutes relating to the emission or control prescribed pursuant thereto, may enter every building, premises, or other place, except the interior of structures used as private residences. Every person is guilty of a petty offense under A.R.S. 49-488 who in any way denies, obstructs or hampers such entrance or inspection that is lawfully authorized by warrant.
- b. The Permittee shall allow the Control Officer or his designated representatives, upon presentation of proper credentials (e.g., Maricopa County Air Quality Department identification) and other documents as may be required by law, to:

- i. Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records are required to be kept pursuant to the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that are required to be kept pursuant to the conditions of the permit;
- iii. Inspect, at reasonable times, any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;
- iv. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the Permit or other applicable requirements; and
- v. Record any inspection by use of written, electronic, magnetic, and photographic media.

[Rule 100 §105][Rule 220 §302.17-21][SIP Rule 43]

19. Severability:

The rules, paragraphs, clauses, provisions, and/or sections of this Permit are severable, and, if any rule, paragraph, clause, provision, and/or section of this Permit is held invalid, the remainder of this Permit shall not be affected thereby.

[Rule 220 §302.9][SIP Rule 80]